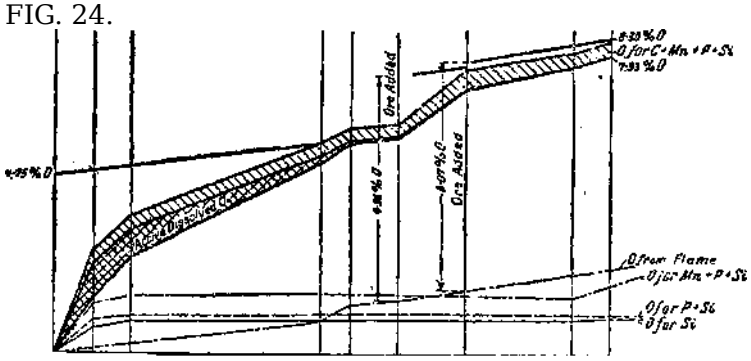
Charge 20,303 kilogrammes molten pig iron.
_ 984_____„_____limestone — 4*84 per cent.
3,280 kilogrammes ore = 16*1 per cent. =="4-75 per cent.~O at 180m. 820 „ „ = 4'04
„ „ =1-18 ;, ,, O at 215 m. 81 ' _____„ = 0-40 ,, „ == 0-12 „ „ Q
4,181 kilogrammes ore = 20'54 per cent. = 6'05 per cent. O
FIG-. 23.

KM I5& ffa 21$ 270 29O Mi nates,
DIAGRAM J.—Removal of Reducing Agents.
FIG. 24.



0 M 40 vid rsffgo W
270 iSOMinat.es
DIAGRAM II.—Action of Oxygen.
But it has only been 20*54 per cent. Thus the quantity of ore employed was too small, and there were greater demands placed on the oxidising action of the flame, whereby at the same time also a lengthening of the duration of the " heat " would be enforced.
From the diagram of the work of the oxygen (Fig. 24) one perceives that the metal was refined solely by the oxidising action of the flame in the period from 155 to 180 minutes